DIY CAP-SENSE PIANO W/ ARDUINO

ENGINEERING ELECTRONICS SHOP
OBJECTIVE

• Assemble, beginning to end, a capacitive-sense piano utilizing Arduino, shield, and transistor amplifier circuit
PARTS

• Arduino Uno & USB Cable
• MPR121 shield
• 2N7000 Transistor
• 9v Battery with power plug
• Jumper Wires
• Keys
STEP 1

• Attach MPR121 Shield to Arduino Uno
STEP 2

• Upload supplied sketch to Arduino Uno

• Test using Serial Monitor
STEP 3

• Assemble Transistor circuit on breadboard

• Hook up to Arduino
STEP 4

• Using alligator-alligator clips, attach keys to shield
STEP 5

• PLAY!